DATASHEET
FUJITSU PRIMERGY TX100 S1 SERVER

ENTER THE WORLD OF SERVERS

PRIMERGY TX industry standard tower servers: efficient, rock solid, record-breaking performance. PRIMERGY TX servers benefit from over 20 years pioneering work in the field of Green IT. That is how TX servers reach industry – leading performance per watt ratios, lowering the environmental impact and running costs. TX servers can easily be managed locally or remotely via the PRIMERGY ServerView Suite, saving IT admin costs. That's efficient performance. Our made-to-measure service packages take care of your system every step of the way. Rest assured, PRIMERGY TX servers are put through 5000 boot cycles - that's rock solid performance. PRIMERGY TX servers are flexible systems capable of using up to two processors and up to 20 hard disks. Tower to rack mounting kits are available for most TX systems to help you move to a consolidated rack infrastructure. TX servers have a tradition of setting record-breaking performance levels. So, whether you use them as tower or rack servers, for file, print or application purposes, you will benefit from record-breaking performance. PRIMERGY TX: a tower of strength.

PRIMERGY TX100 S1

The PRIMERGY TX100 S1 is your entry to the world of servers. It is the perfect system for SMEs looking to centralize their IT infrastructure, and offers a great price-performance ratio. Moreover, the TX100 S1 is very silent and energy efficient making it an excellent choice for any office environment. The 85% efficient power supply unit minimizes costs, as well as the environmental impact. The use of data security features such as ECC memory and RAID 0/1 ensures around-the-clock reliability. Finally, the TX100 S1 offers a choice of Intel® processors suited to the needs of SMEs. Step into the world of PRIMERGY servers.

FEATURES AND BENEFITS

MAIN FEATURES	BENEFITS
■ Great price-performance ratio	■ With a choice of processors (from Intel® Pentium® to Intel Xeon®) and budget options to choose from, the PRIMERGY TX100 S1 offers an excellent price-performance ratio
■ High energy efficiency with 85% efficiency power supply unit (PSU), EPA 5.0 compliant	■ Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize environmental impact
■ Low noise levels	■ Effective hardware design air flow ensures a silent system for an efficient working environment.
■ Server reliability thanks to the use of components such as Intel 3200 server chipset, ECC memory and RAID 0/1	■ Keep business processes going - 24x7
■ Flexibility	■ Available with two different base units with either a maximum of either 2 or 4 hard disks.

TECHNICAL DETAILS

PRIMERGY TX100 S1 2 HDD		
Housing type	Tower	Tower
Hard disk architecture	2 HDD	4 HDD
MAINBOARD		
Mainboard type	D 2679	
Chipset	Intel® 3200 + ICH9R	
PROCESSOR	Intel® Core™2 Duo processor E7400 (2C, 2.80 GHz, SLC: 3 MB, TLC: -, Turbo: No, 1066 MHz, 65 W)	
	Intel® Core™2 Duo processor E7600 (2C, 3.06 GHz, SLC: 3 MB, TLC: -, Turbo: No, 1066 MHz, 65 W)	
	Intel® Pentium® processor E5200 (2C, 2.50 GHz, SLC: 2 MB, TLC: -, Turbo: No, 800 MHz, 65 W)	
	Intel® Pentium® processor E6300 (2C, 2.80 GHz, SLC: 2 MB, TLC: -, Turbo: No, 1066 MHz, 65 W)	
	Intel® Pentium® processor E6500 (2C, 2.93 GHz, SLC: 2 MB, TLC: -, Turbo: No, 1066 MHz, 65 W)	
	Intel® Xeon® processor E3110 (2C, 3.00 GHz, SLC: 6 MB, TLC: -, Turbo: No, 1333 MHz, 65 W)	
	Intel® Xeon® processor E3120 (2C, 3.16 GHz, SLC: 6 MB, TLC: -, Turbo: No, 1333 MHz, 65 W)	
	Intel® Xeon® processor L3360 (4C, 2.83 GHz, SLC: 2 x 6 MB, TLC: -, Turbo: No, 1333 MHz, 65 W)	
	Intel® Xeon® processor X3220 (4C, 2.40 GHz, SLC: 8 MB, TLC: -, Turbo: No, 1066 MHz, 95 W)	
	Intel® Xeon® processor X3330 (4C, 2.66 GHz, SLC: 6 MB, TLC: -, Turbo: No, 1333 MHz, 95 W)	
	Intel® Xeon® processor X3380 (4C, 3.16 GHz, SLC: 2 x 6 MB, TLC: -, Turbo: No, 1333 MHz, 95 W)	
Memory slots	4	
Memory slot type	DIMM (DDR2)	
Memory capacity (min. - max.)	1 GB - 8 GB	
Memory protection	ECC	
Memory notes	Mix and match possible, with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible.	
MEMORY OPTIONS	4 GB (1 module(s) 4 GB) DDR2, unbuffered, ECC, 800 MHz, PC2-6400	
	2 GB (1 module(s) 2 GB) DDR2, 800 MHz, PC2-6400	
	1 GB (1 module(s) 1 GB) DDR2, 800 MHz, PC2-6400	
INTERFACES		
USB ports	10 (2 x front, 6 x back, 2 x internal)	
Graphics (15-pin)	1 x VGA (ATI ES1000 (32MB) on board)	
Serial 1 (9-pin)	1 x RS232	
Parallel (25-pin)	1 x ECP / EPP parallel port (25 pin) - optional	
Mouse / Keyboard (PS/2)	2	
LAN / Ethernet (RJ-45)	1 x Gbit/s Ethernet	
I/O CONTROLLER ON BOARD		
Serial ATA total	6	
RAID Controller	4 port SATA with RAID 0/1for HDD´s	
SATA Controller	SATA2 (3GBit)	
LAN Controller	Intel® Nineveh 82566DM, 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server, Teaming supported	
Trusted Platform Module (TPM)	Infineon / 1.2 (option)	
SLOTS		
PCI-Express x8	1 x	
PCI-Express x4 (mech. x8)	1 x	
PCI-Express x1	1 x	
PCI slots	1 x	
Slot Notes	PCI 32/33 MHz, 3.3V, full-height slot with low-profile-option available	
DRIVE BAYS		
Hard disk bays	4 x 3.5-inch easy change SATA	

DRIVE BAYS	
Hard disk bay configuration	From 2 to 4 bays not upgradeable in the field.
Notes accessible drives	1 bay occupied by DVD/DVD-RW 1x 3.5/1-inch FD as option
Number of fans	
Fan configuration	silent system fans
Fan notes	non hot plug
OPERATING PANEL	
Operating buttons	On/off switch
Status LEDs	Power (green)
OPERATING SYSTEM	
Supported operating systems	Microsoft® Windows Server® 2008 R2 Microsoft® Windows Server® 2008 Microsoft® Windows Server® 2003 R2 Novell SUSE Linux Enterprise Server Red Hat Enterprise Linux Note: Support of other Linux derivatives on demand
Operating system release link	http://ts.fujitsu.com/software http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421
SERVER MANAGEMENT	
Standard	ServerView Installation Manager
Server Management notes	Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets.
DIMENSIONS / WEIGHT	
Floor-stand (W x D x H)	203 x 386 x 390 mm
Weight	12 kg
Floor-stand (W x D x H)	
Rack (W x D x H)	
ENVIRONMENTAL	
Noise emission	According to ISO9296
Sound pressure (LpAm)	21 dB(A) (idle)/ 25 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	3.7B (idle) / 4.0B (operating)
Operating ambient temperature	10 - 35°C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
ELECTRICAL VALUES	
Power supply configuration	1
Standard power supply output	300 W
Rated voltage range	100 - 127 V / 200 - 240 V
Rated frequency range	50 - 60 Hz
Rated current max.	100 V – 240 V / 3.5 A – 1.5 A
Rated current in basic configuration	100 – 240 V / 1,5 – 0,6 A
Active power max. (per system unit)	146 W
Apparent power max. (per system unit)	63 VA - 156 VA
Heat emission	525.6 kJ/h (498.3 BTU)
COMPLIANCE	
Germany	GS
Europe	CE
USA/Canada	CSAc/us ULc/us FCC Class A
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)

COMPLIANCE	
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

COMPONENTS

HARD DISK DRIVES	SATA, 1000 GB, 7200 rpm, 3.5-inch
	SATA, 750 GB, 7200 rpm, 3.5-inch
	SATA, 500 GB, 7200 rpm, 3.5-inch
	SATA, 250 GB, 7200 rpm, 3.5-inch
	SATA, 160 GB, 7200 rpm 3.5-inch
	SATA, 3 Gb/s, 250 GB, 7200 rpm, non hot pl, 3.5-inch
Hard disk notes	PRIMERGY TX100 S1 hard disks are not hot-plug.
TAPE DRIVES	DDS Gen5, 36 GB , 3 MB/s, half height, USB 2.0
	DDS Gen6, 80 GB , 6 MB/s, half height, USB 2.0
	RDX Drive, 80 GB, 160 GB, 320 GB , 25 MB/s, half height, USB 2.0
OPTICAL DRIVES	Blu-ray combo drive, (6x BD-ROM; 16x DVD; 40x CD), half height, SATA I
	DVD-ROM, (16xDVD; 48xCD), half height, SATA I
	DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I
LAN CONTROLLER	Ethernet Ctrl 1 x 1 Gb Intel® Gigabit CT Desktop Adapter
	Ethernet Ctrl 1 x 1 Gb Intel® PRO/1000 PT Server Adapter
	Ethernet Ctrl 2 x 1 Gb Intel® PRO/1000 PT Dual Port Server Adapter
	x

WARRANTY	
Standard Warranty	1 year
Service level	On-site Service (depending on country)

FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu PRIMERGY TX100 S1, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach,Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructureas-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

MORE INFORMATION

Learn more about Fujitsu PRIMERGY TX100 S1, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. http://ts.fujitsu.com/Primergy

FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

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CONTACT
FUJITSU Technology Solutions
Mies-van-der-Rohe-Straße 8
80807 München
Germany
Website: www.ts.fujitsu.com
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